

AMENDMENTS TO THE SPECIFICATION:

Please amend the Specification as follows:

Page 5, paragraph beginning at line 7:

The oscillation circuit 30 includes a resonant circuit 31 and a drive circuit having an oscillation transistor 32. The resonant circuit 31 generates a resonant signal. The oscillation transistor 32 feeds the resonant signal back to the resonant circuit 31 to drive the resonant circuit 32 31. The resonant circuit 31 is an LC resonant circuit. More particularly, the resonant circuit 31 is made up of a diode D, capacitors C3, C6 and C7 and an inductor 33. The diode D may be a variable capacitance diode. A control signal is externally applied to the cathode of the diode D via the control terminal 36 and an inductor 34, which is a choke coil. The anode of the diode D is grounded. The control signal changes the capacitance of the diode ~~D4~~ D, this changing the resonant frequency of the resonator 31. An AC component applied to the control terminal 36 flows to ground via a bypass capacitor C5. The cathode of the diode D is grounded via the capacitors C6 and C7. One end of the inductor 33 is coupled to the cathode of the diode D via the capacitor C6, and the other end of the inductor 33 is grounded. The inductor 33 is connected in parallel with the capacitor C7. The resonant frequency mainly depends on the diode D, the capacitors C6 and C7 and the inductor 33. The capacitor C3, which is connected between the inductor 22 and the base of the transistor 32, is provided for impedance adjustment.